

WHAT IS CLAIMED IS:

1. A display device for receiving and displaying internet content, comprising:

5 a short range radio frequency receiver operable to receive HTML commands representing internet content;

a processor programmed to interpret the HTML commands and to generate pixel data, based on the HTML commands, suitable for a rendered display;

10 a frame buffer operable to store the pixel data; and a display engine operable to receive the pixel data from the processor and to render the display on the basis of the pixel data.

2. The display device of Claim 1, wherein the receiver is further operable to receive data files associated with the HTML commands.

3. The display device of Claim 2, wherein data files are compressed data files, and further comprising a digital signal processor for receiving the compressed data files from the processor, decompressing the data files, and passing the decompressed data to the frame buffer.

25 4. The display device of Claim 1, wherein the receiver is further operable to receive XML data representing commands for operation of the display device, and wherein the processor is further programmed to interpret the XML data.

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5. The display device of Claim 1, wherein the receiver operates in accordance with bluetooth specifications.

5 6. The display device of Claim 1, wherein the receiver operates in accordance with IEEE specifications.

7. The display device of Claim 1, wherein the display engine has a spatial light modulator for
10 rendering displays.

8. The display device of Claim 7, wherein the spatial light modulator is a digital micromirror device.

15 9. The display device of Claim 7, wherein the receiver is part of a two way RF transceiver.

10. The display device of Claim 1, wherein the processor is an embedded processor.
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11. The display device for Claim 1, wherein the receiver operates in accordance with IrDA specifications.

12. A method of using a display device to wirelessly receive and display internet content, comprising the steps of:

receiving internet content, in the form of HTML
5 commands, by means of a short range wireless receiver;
interpreting the HTML commands
generating pixel data based on the HTML commands,
using a processor embedded in the display device;
delivering the pixel data from the microprocessor to
10 a display engine; and
generating displays based on the pixel data.

13. The method of Claim 12, further comprising the step of receiving data files associated with the HTML
15 commands, by means of the wireless receiver.

14. The method of Claim 13, wherein the data files are compressed data files, and further comprising the step of decompressing the data files, using a processor
20 embedded in the display device.

15. The method of Claim 14, wherein the decompressing step is performed using an embedded digital signal processor in communication with the
25 microprocessor.

16. The method of Claim 12, further comprising the step of receiving display operation data, by means of the wireless receiver, and of interpreting the display
30 operation data.

17. The method of Claim 16, wherein the display operation data is in the form of XML data.

18. The method of Claim 12, wherein the step of
5 receiving internet content is performed in accordance with bluetooth specifications.

19. The method of Claim 12, wherein the step of
receiving internet content is performed in accordance
10 with IEEE specifications.

20. The method of Claim 12, wherein the step of
generating displays is performed with a spatial light
modulator.
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21. The method of Claim 20, wherein the spatial
light modulator is a digital micromirror device.

22. The method of Claim 12, wherein the receiving
20 steps are performed by receiving the HTML commands and display operation data from a mobile internet access device.

23. The method of Claim 12, wherein the step of
25 receiving Internet content is performed in accordance with IrDA specifications.

24. The method of Claim 12, wherein the generating
step is performed using a graphics rendering process.
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